



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Nalmefene HCl

Opioid Receptor Antagonist  
Catalog No. SIH-621



Discovery through Partnership | Excellence through Quality

## Product Name

Nalmefene HCl

## Description

Opioid Receptor Antagonist

## Purity

>98% (HPLC); NMR (conforms)

## CAS No.

58895-64-0

## Molecular Formula

$C_{21}H_{25}NO_3 \cdot HCl$

## Molecular Weight

375.9

## Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

## Properties

### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Antagonist

### Solubility

May be dissolved in water (25 mg/ml)

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**Source**

Synthetic

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**Appearance**

White powder

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**SMILES**

C=C1CCC2(C3CC4=C5C2(C1OC5=C(C=C4)O)CCN3CC6CC6)O.Cl

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**InChI**

InChI=1S/C21H25NO3.ClH/c1-12-6-7-21(24)16-10-14-4-5-15(23)18-17(14)20(21,19(12)25-18)8-9-22(16)11-13-2-3-13;/h4-5,13,16,19,23-24H,1-3,6-11H2;1H/t16-,19+,20+,21-;/m1./s1

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**InChIKey**

GYWMRGWFQPSQLK-OPHZJPRHSA-N

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**Safety Phrases**

Classification: Danger.

Hazard Statements: H301 - H336 - H410

Precautionary Statements: P261 - P264 - P270 - P271 - P273 - P301 + P310

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**Cite This Product**

Nalmefene HCl (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-621)

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**Biological Description**

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**Alternative Names**

(5 $\alpha$ )-17-(Cyclopropylmethyl)-4,5-epoxy-6-methylene-morphinan-3,14-diol, hydrochloride

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**PubChem ID**

5388881

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**Scientific Background**

An opioid antagonist with a very similar activity profile to naloxone, however, it displays slower onset and longer duration of action (1). It antagonizes the effects of salvinorin (2) (delta-agonist) as well as herkinorin (3) (mu-agonist). Has been used as a therapeutic for treatment of alcohol dependence (4).

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**References**

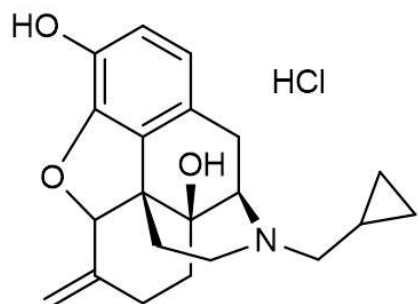
1. Osborn, M.D., et al. (2011) Life Sci. 86:624.
2. Butelman E.R., et al. (2009) J. Pharmacol. Exp. Ther. 328:588.

3. Butelman E.R., et al. (2008) J. Pharmacol. Exp. Ther. 327:154.

4. Soyka M., and Rosner S. (2008) Curr. Drug Abuse Rev. 1:280.

## Product Images

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## Product Citations

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## Reviews

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There are no reviews yet.